

## **SECTION 917 -- RECONSTRUCTION OF MANHOLES AND ADJUSTING MANHOLES TO GRADE**

### **917.01 -- Description**

1. The Contractor shall adjust the manhole elevations or reconstruct the manhole as prescribed in the plans.
2. Adjusting a manhole elevation is defined as lowering the top 6 inches or less or raising the top not more than 1 foot.
3. Reconstructing a manhole is defined as lowering the top more than 6 inches or raising the top by more than 1 foot.

### **917.02 -- Material Requirements**

Brick mortar shall be 1 part cement, 2 parts sand, and water as necessary to insure brick can be set at designed spacing.

### **917.03 -- Construction Methods**

1. The Contractor shall:
  - a. Remove and replace the necessary surfacing to allow adjustment of the manhole.
  - b. Remove the castings and adjust the tops of the manholes by removing or adding concrete or brick, as the case may be.
  - c. Reset the frames and covers.
2. The work of reconstructing manholes or adjusting manholes to grade shall be performed in accordance with the requirements of Subsection 916.03 when concrete is used.
3. Bricks shall be approved by the Engineer. The bricks shall be bonded in mortar. All brick must be wetted before being placed. All joints shall be completely filled with mortar and shall be 3/8 inch thick.
4. The Contractor shall provide and set all cast iron covers, rings, frames, flanges, and other items as prescribed in the plans.

### **917.04 -- Method of Measurement**

1. Adjusting manholes to grade will be measured by the each.
2. Reconstructing manholes will be measured by the each.
3. Cast iron is measured by the pound.

### **917.05 -- Basis of Payment**

- | <b>1. Pay Item</b>        | <b>Pay Unit</b> |
|---------------------------|-----------------|
| Reconstruct Manhole       | Each (ea)       |
| Adjust Manhole to Grade   | Each (ea)       |
| Reconstruct Manhole _____ | Each (ea)       |
| Cast Iron _____           | Pound (lb)      |
2. Payment is full compensation for all work prescribed in this Section.